

EXPRESS MAIL LABEL NO. EV 546 122 914 US  
DOCKET NO. PRD2004USPCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Maria Johanna Magdalena Aldina Nijssen  
Serial No. : Not yet Assigned                      Art Unit: Not yet Assigned  
Filed : Herewith                                      Examiner: Not yet Assigned  
For : Animal Model to Evaluate Visceral Pain Perception  
Commissioner for Patents  
Alexandria, VA. 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national

stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee.

Applicant(s) hereby petition(s) for consideration of this Information Disclosure Statement. Included are: Statement in Accordance with §1.97(e) as set forth below and the fee of \$180.00 as set forth in §1.17(p).

☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

☒ There are no listed references which are not in the English language.

☐ The relevance of those listed references which are not in the English language is as follows:

☒ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.

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☐ Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/PRD2004USPCT/MBZ. This form is submitted in triplicate.

Respectfully submitted,

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DATED: April 14, 2005

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

<b>Application Number</b>	Not yet Assigned
<b>Filing Date</b>	Herewith
<b>First Named Inventor</b>	Maria J. M. A. Nijssen
<b>Group Art Unit</b>	Not yet Assigned
<b>Examiner Name</b>	Not yet Assigned
<b>Attorney Docket Number</b>	PRD2004USPCT

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,275,169		Innovation Assoc.	01-04-1994	
		6,231,516	B1	VacuSense Inc.	05-15-2001	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where publisher, city and/or country where published	T <sup>2</sup>
		MERTZ, H., "PAIN TERMS: A LIST WITH DEFINITIONS AND NOTES ON USAGE." <i>Pain</i> , 1979, pages 249-252, vol. 6, no. 3.	
		NESS, T. J. et al., "Colorectal distension as a noxious visceral stimulus: physiologic and pharmacologic characterization of pseudoreflexes in the rat." <i>Brain Res.</i> , 1988, pages 153-169, vol. 450.	
		COLBURN, R. W. et al., "Mechanical Visceral Pain Model: Chronic Intermittent Intestinal Distention in the Rat". <i>Phy. &amp; Beh.</i> , 1989, pages 191-197, vol. 45.	
		NESS, T. J. et al., "Visceral pain: a review of experimental studies." <i>Pain</i> , 1990, pages 167-234, vol. 41.	
		DANZEBRINK, R. M. et al., "Antinociceptive Effects of Intrathecal Adrenoceptor Agonists in a Rat Model of Visceral Nociception." <i>J. Pharm. Exp. Ther.</i> , 1990, pages 698-705.	
		NESS, T. J. et al., "Further behavioral evidence that colorectal distension is a 'noxious' visceral stimulus in rats." <i>Neuroscience</i> , 1991, pages 113-116.	
		GEBHART, G. F., "Central mechanisms of visceral pain." <i>Can. J. Physiol. Pharm.</i> , 1991, pages 627-634, vol. 69.	
		DANZEBRINK, R. M., "Evidence that spinal 5-HT <sub>1</sub> , 5-HT <sub>2</sub> and 5-HT <sub>3</sub> receptor subtypes modulate responses to noxious colorectal distension in the rat." <i>Brain Res.</i> , 1991, pages 64-75, pages 538, no. 1.	
		DIOP, L. et al., "Peripheral $\kappa$ -opioid receptors mediate the antinociceptive effect of fentanyl on the duodenal pain reflex in rat." <i>Euro. J. Pharm.</i> , 1994, pages 65-71, vol. 271.	
		GEBHART, G. F. et al., "Evaluation of visceral pain." <i>Methods of Gastro. Pharmacology</i> , 1996, pages 359-373.	
		NESS, T. J. et al., "Models of Visceral Nociception." <i>J. Lar. J.</i> , 1999, pages 119-128, vol. 40, no. 3.	
		FRIEDRICH, A. E. et al., "Effects of Spinal Cholecystokinin Receptor Antagonists on Morphine Antinociception in a Model of Visceral Pain in the Rat." <i>Am. Soc. Pharm. Exp. Thera.</i> , 2000, pages 538-544, vol. 292, no. 2.	
		REICHERT, J. A. et al., "Peripheral and preemptive opioid antinociception in a mouse visceral pain model." <i>Pain</i> , 2001, pages 221-227, vol. 89.	
		NESS, T. J. et al., "CHARACTERIZATION OF PRESSOR AND VISCEROMOTOR REFLEX RESPONSES TO BLADDER DISTENSION IN RATS: SOURCES OF VARIABILITY AND EFFECT OF ANALGESICS." <i>J. Uro.</i> , 2001, pages 968-974, vol. 165.	
		OZAKI, N. et al., "Models of gastric hyperalgesia in the rat." <i>A.J.P. Gastrointest Liver Physiol.</i> , 2002, pages G666-G676, vol. 283.	
		COUTINHO, S.V. et al., "Neonatal maternal separation alters stress-induced responses to viscerosomatic nociceptive stimuli in rat." <i>Am. J. Physiol. Gastrointest. Liver Physiol.</i> , 2002, pages G307-G316, vol. 282.	
		BRADESI, S. et al., "Acute and chronic stress differently affect visceral sensitivity to rectal distention in female rats." <i>Neurogastroenterol. Mot.</i> , 2002, pages 75-82, vol. 14.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter/tp code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Alexandria, VA 22313-1450.

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**SUBMISSION UNDER MPEP 609 D**

Page 1 of 1

<b>Application Number</b>	Not yet Assigned
<b>Filing Date</b>	Herewith
<b>First Named Inventor</b>	Maria J. M. A. N
<b>Group Art Unit</b>	Not yet Assigned
<b>Examiner Name</b>	Not yet Assigned
<b>Attorney Docket Number</b>	PRD2004USPCT

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
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